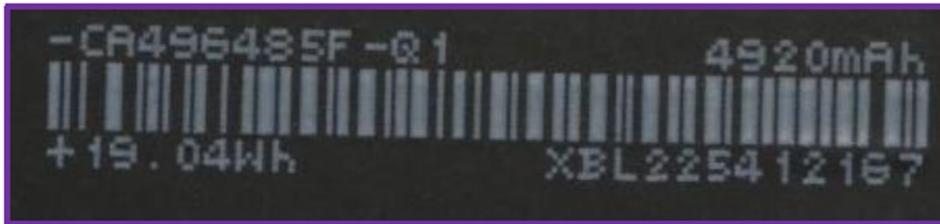


EXHIBIT K

Comparison of U.S. Patent No. 11,769,910 to the CA496485F-Q1 Battery Cell

Claim 20	CA496485F-Q1 Battery Cell
An electrolyte, comprising	The CA496485F-Q1 battery has an electrolyte which was extracted using a centrifuge and diluted for GC-MS analysis.

A photograph of a dark rectangular CA496485F-Q1 battery cell. The cell has two metal terminals on the left side. A small purple rectangular overlay covers the center of the cell, highlighting a white label with black text and a barcode. The label contains the text: "-CA496485F-Q1", "4920mAh", "+19.04Wh", and "XBL225412167".

A close-up view of the CA496485F-Q1 battery cell's barcode label. The label is white with black text and a barcode. It displays the text: "-CA496485F-Q1", "4920mAh", "+19.04Wh", and "XBL225412167".

wherein, based on a total weight of the electrolyte, a weight percentage of the dinitrile compound is X, a weight percentage of the trinitrile compound is Y and a weight percentage of the propyl propionate is Z;	<p>The CA496485F-Q1 battery cell's electrolyte has, based on a total weight of the electrolyte, a weight percentage of the dinitrile compound is X, a weight percentage of the trinitrile compound is Y and a weight percentage of the propyl propionate is Z.</p> <table border="1" data-bbox="513 796 1864 910"> <thead> <tr> <th data-bbox="513 796 756 910">Propyl Propionate (PP) (wt %)</th><th data-bbox="756 796 977 910">Dinitrile (wt %)</th><th data-bbox="977 796 1199 910">Trinitrile (wt %)</th><th data-bbox="1199 796 1569 910">1,3-Propane sultone (PS) (wt%)</th><th data-bbox="1569 796 1864 910">2-Fluoroethylene carbonate (FEC) (wt%)</th></tr> </thead> <tbody> <tr> <td data-bbox="513 910 756 1024">47.3</td><td data-bbox="756 910 977 1024">2.03</td><td data-bbox="977 910 1199 1024">1.57</td><td data-bbox="1199 910 1569 1024">2.58</td><td data-bbox="1569 910 1864 1024">2.00</td></tr> </tbody> </table>	Propyl Propionate (PP) (wt %)	Dinitrile (wt %)	Trinitrile (wt %)	1,3-Propane sultone (PS) (wt%)	2-Fluoroethylene carbonate (FEC) (wt%)	47.3	2.03	1.57	2.58	2.00
Propyl Propionate (PP) (wt %)	Dinitrile (wt %)	Trinitrile (wt %)	1,3-Propane sultone (PS) (wt%)	2-Fluoroethylene carbonate (FEC) (wt%)							
47.3	2.03	1.57	2.58	2.00							
wherein, about $2.2 \text{ wt \%} \leq (X+Y) \leq \text{about } 8 \text{ wt \%}$, $\text{about } 0.1 \leq (X/Y) \leq \text{about } 6$, $5 \text{ wt \%} \leq Z \leq 20 \text{ wt \%}$ or $30 \text{ wt \%} \leq Z \leq 50 \text{ wt \%}$, and	<p>The additives in the CA496485F-Q1 battery cell's electrolyte meet the requirements of:</p> <p>about $2.2 \text{ wt \%} \leq (X+Y) \leq \text{about } 8 \text{ wt \%}$,</p> <p>about $0.1 \leq (X/Y) \leq \text{about } 6$,</p> <p>$5 \text{ wt \%} \leq Z \leq 20 \text{ wt \%}$ or $30 \text{ wt \%} \leq Z \leq 50 \text{ wt \%}$, and</p> <p>about $0.01 \leq (Y/Z) \leq \text{about } 0.3$;</p>										

about $0.01 \leq (Y/Z) \leq$ about 0.3;	<table border="1" data-bbox="523 241 1898 396"> <thead> <tr> <th>Limitation</th><th>X+Y (wt%)</th><th>X/Y</th><th>Z (wt%)</th><th>Y/Z</th><th>Dinitrile ID</th><th>Trinitrile ID</th><th>PS and FEC present</th><th>PS (wt%)</th></tr> </thead> <tbody> <tr> <td>Claimed Range</td><td>2.2 – 8</td><td>0.1 – 6</td><td>5 – 20 or 30 – 50</td><td>0.01 – 0.3</td><td></td><td></td><td></td><td>0.1 – 3</td></tr> <tr> <td></td><td>4</td><td>1.3</td><td>47</td><td>0.03</td><td>BN + ADN</td><td>HTCN</td><td>PS and FEC</td><td>2.6</td></tr> </tbody> </table>	Limitation	X+Y (wt%)	X/Y	Z (wt%)	Y/Z	Dinitrile ID	Trinitrile ID	PS and FEC present	PS (wt%)	Claimed Range	2.2 – 8	0.1 – 6	5 – 20 or 30 – 50	0.01 – 0.3				0.1 – 3		4	1.3	47	0.03	BN + ADN	HTCN	PS and FEC	2.6
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	4	1.3	47	0.03	BN + ADN	HTCN	PS and FEC	2.6																				
wherein the dinitrile compound comprises at least one selected from the group consisting of butanedinitrile, adiponitrile, ethylene glycol bis(2-cyanoethyl) ether, and 1,4-dicyano-2-butene; and the trinitrile compound is one or more compounds selected from the group consisting of 1,3,6-hexanetricarbonitrile , 1,2,6-hexanetricarbonitrile and 1,2,3-tris(2-cyanoethoxy)propane	<p>The dinitrile compound in the CA496485F-Q1 battery cell's electrolyte comprises at least one selected from the group consisting of butanedinitrile, adiponitrile, ethylene glycol bis(2-cyanoethyl) ether, and 1,4-dicyano-2-butene; and the trinitrile compound is one or more compounds selected from the group consisting of 1,3,6-hexanetricarbonitrile , 1,2,6-hexanetricarbonitrile and 1,2,3-tris(2-cyanoethoxy)propane.</p> <table border="1" data-bbox="523 665 1898 837"> <thead> <tr> <th>Limitation</th><th>X+Y (wt%)</th><th>X/Y</th><th>Z (wt%)</th><th>Y/Z</th><th>Dinitrile ID</th><th>Trinitrile ID</th><th>PS and FEC present</th><th>PS (wt%)</th></tr> </thead> <tbody> <tr> <td>Claimed Range</td><td>2.2 – 8</td><td>0.1 – 6</td><td>5 – 20 or 30 – 50</td><td>0.01 – 0.3</td><td></td><td></td><td></td><td>0.1 – 3</td></tr> <tr> <td></td><td>4</td><td>1.3</td><td>47</td><td>0.03</td><td>BN + ADN</td><td>HTCN</td><td>PS and FEC</td><td>2.6</td></tr> </tbody> </table>	Limitation	X+Y (wt%)	X/Y	Z (wt%)	Y/Z	Dinitrile ID	Trinitrile ID	PS and FEC present	PS (wt%)	Claimed Range	2.2 – 8	0.1 – 6	5 – 20 or 30 – 50	0.01 – 0.3				0.1 – 3		4	1.3	47	0.03	BN + ADN	HTCN	PS and FEC	2.6
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	4	1.3	47	0.03	BN + ADN	HTCN	PS and FEC	2.6																				
wherein the electrolyte further comprises 1,3-propanesultone and	The CA496485F-Q1 battery cell's electrolyte further comprises 1,3-propanesultone and fluoroethylene carbonate;																											

fluoroethylene carbonate;	Limitation	X+Y (wt%)	X/Y	Z (wt%)	Y/Z	Dinitrile ID	Trinitrile ID	PS and FEC present	PS (wt%)
	Claimed Range	2.2 – 8	0.1 – 6	5 – 20 or 30 – 50	0.01 – 0.3				0.1 – 3
		4	1.3	47	0.03	BN + ADN	HTCN	PS and FEC	2.6
wherein, based on the total weight of the electrolyte, a weight percentage of the 1,3-propanesultone is not less than 0.1 wt %, and not greater than 3 wt %.	Based on the total weight of the electrolyte, the 1,3-propane sultone in the CA496485F-Q1 battery cell's electrolyte meets the requirement of: a weight percentage of the 1,3-propanesultone is not less than 0.1 wt %, and not greater than 3 wt %.								
wherein, based on the total weight of the electrolyte, a weight percentage of the 1,3-propanesultone is not less than 0.1 wt %, and not greater than 3 wt %.	Limitation	X+Y (wt%)	X/Y	Z (wt%)	Y/Z	Dinitrile ID	Trinitrile ID	PS and FEC present	PS (wt%)
	Claimed Range	2.2 – 8	0.1 – 6	5 – 20 or 30 – 50	0.01 – 0.3				0.1 – 3
		4	1.3	47	0.03	BN + ADN	HTCN	PS and FEC	2.6